

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 11062805
PUBLICATION DATE : 05-03-99

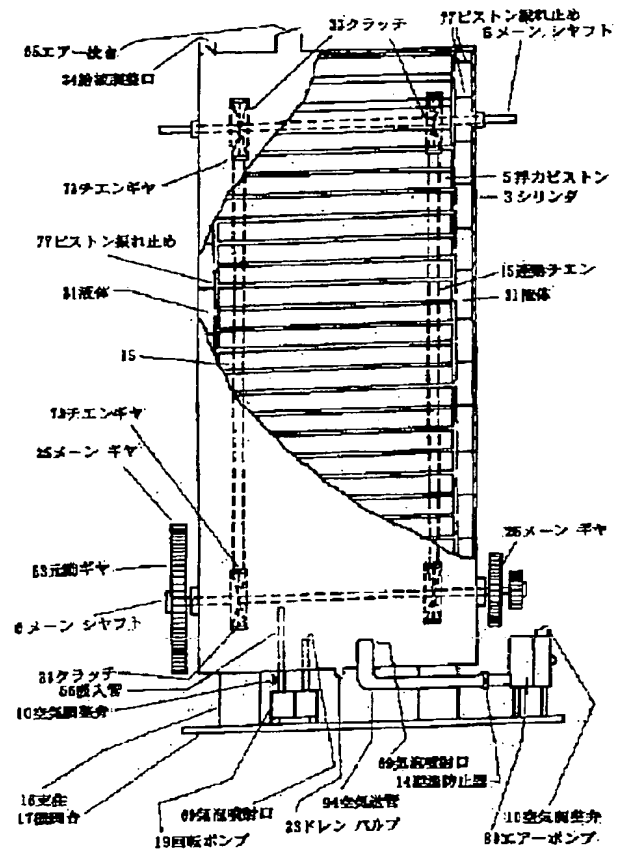
APPLICATION DATE : 19-08-97
APPLICATION NUMBER : 09259211

APPLICANT : KIDE YOSHIKAZU;

INVENTOR : KIDE YOSHIKAZU;

INT.CL. : F03B 17/02

TITLE : HYDRAULIC REVOLVING ENGINE 9



ABSTRACT : PROBLEM TO BE SOLVED: To prevent warming progress and make it possible to perform a construction operation with silence and without the necessity of fuel for a short period by providing a chain gear, a clutch and a piston stopper which cooperate for a buoyancy piston within a cylinder by a coupling chain.

SOLUTION: When an air pump 89 filling liquid 31 within a cylinder 3 from a supply liquid adjusting port 34 is started and air bubble is injected from an air bubble injection port 69 because the lower part of a buoyancy piston 5 is opened, liquid 31 and air bubble are replaced, and the buoyancy piston 5 generates buoyancy and becomes a rising stroke. The buoyancy piston 5 becomes continuous revolution by cooperation of a coupling chain 15, a chain gear 73, a piston stopper 77 and a pressing van adjuster. A clutch 33 becomes a forwarding input and a main gear 25 by which a main shaft 6 revolves becomes a driving gear 53 and becomes an economical operation. The pressing van adjuster 88 adjusts a gap of the buoyancy piston 5 and a pressing van to the extremely small gap which is reduced to a degree which does not hinder the lowering stroke of the buoyancy piston 5 and extremely reduces buoyancy of the buoyancy piston 5.

COPYRIGHT: (C)1999,JPO